

Use Attainability Analysis

1 Water Body Name	Unnamed Tributary to Unnamed Tributary to Burr Oak Creek
2 Segment Description	Mouth to headwaters
3 Segment Length (mi)	0.18
4 Drainage Area (sq. mi.)	0.11
5 Segment Start Latitude, Longitude (DD)	41.14823, -91.83961
6 Segment End Latitude, Longitude (DD)	41.14641, -91.84220
7 Route of Flow (Next Downstream Adopted Designated Use)	Unnamed Tributary (general use, proposed) to Unnamed Tributary (A2, BWW2, pending) to Burr Oak Creek (A1, BWW2, pending, to A2, BWW2, pending, to A2, BWW2, existing)
8 NPDES Facility and Permit Number (if Applicable)	Pleasant Plain, City of STP (RUSS) (5171001)
9 Sample Site ID(s)	1253-1
10 Segment County Name(s)	Jefferson
11 Field Work Date(s)	10/1/2015

12 Aquatic Life Use Attainability Analysis - Conclusion

Recommended Highest Attainable Use: Aquatic Life Use	General Use
40 CFR 131.10(g)(2) (Flow)	The natural low flow conditions of the stream segment are insufficient to create the habitat necessary to support a community of fish (see Site Observations Table). A BWW1 designation requires multiple species and age ranges of game fish to be viable. A BWW2 designation requires permanent flow. A BWW3 designation requires intermittent flow with perennial pools. This segment has none of those. Therefore, the highest attainable use for this stream segment is general use. As this stream segment was not identified as perennial by the U.S. Geological Survey 1:100,000 DLG Hydrography Data Map (published July 1993) as described in 567 IAC 61.3(1)“b”, it does not require rulemaking.
40 CFR 131.10(g)(5) (Physical Conditions)	Physical conditions related to the natural features of the water body are insufficient to support a community of fish (see Site Observations Table). A BWW1 designation requires multiple species and age ranges of game fish to be viable. A BWW2 designation requires enough habitat beyond non-flowing perennial pools to support an aquatic community. A BWW3 designation requires habitat in perennial pools to support an aquatic community. This segment has none of those. Therefore, the highest attainable use for this stream segment is general use. As this stream segment was not identified as perennial by the U.S. Geological Survey 1:100,000 DLG Hydrography Data Map (published July 1993) as described in 567 IAC 61.3(1)“b”, it does not require rulemaking.

13 Recreational Use Attainability Analysis - Conclusion

Recommended Highest Attainable Use: Recreational Use	General Use
40 CFR 131.10(g)(2) (Flow)	The natural low flow conditions and water levels of the stream segment prevent the attainment of any recreational use (see Site Observations Table). A1, A2, and A3 designations require the ability to recreate in and on the water. This segment has no water. Therefore, the highest attainable use for this segment is general use. As this stream segment

	was not identified as perennial by the U.S. Geological Survey 1:100,000 DLG Hydrography Data Map (published July 1993) as described in 567 IAC 61.3(1)“b”, it does not require rulemaking.
--	--

14 Flow

Field Work Date	Description
10/1/2015	USGS stream gage 05474000 data for the area indicated stream flows were above normal at the time of assessment.

Use Attainability Analysis - Data

Site Observations

Use	Site parameter	Site ID #1253-1
AL/R	15 Latitude, Longitude (DD)	41.14687, -91.84156
AL/R	16 Average Depth (in)	Not measured
AL/R	17 Maximum Depth (in)	Not measured
AL/R	18 Stream Width (ft)	Not measured
AL/R	19 Pools Observed?	Yes
AL only	20 Non-Game Fish Present and Counts (Species: Number)	N/A
	21 Game Fish Present and Counts (Species (Size Range): Number)	N/A
	22 Stream Habitat (See also: #29 Site Photos)	N/A
R only	23 Evidence of Use for Primary Contact Recreation? (Yes*/No)	No
	24 Evidence of Use by Children? (Yes*/No)	No
	25 Evidence of Use for Secondary Contact Recreation? (Yes*/No)	No
AL/R	26 Additional Description	Small pools of standing water on the north and south sides of 110th Street. The lagoons are to the west. Drainage from the lagoons would run along the north side of the road and then north.

AL = Aquatic Life

R = Recreation

*If yes, elaborate.

27 Supplemental Data

Desktop review verified that the UAA field work is still valid.

28 Map of Segment, Outfall, and Site(s)



29 Site Photos



Figure 1. 1253-1 Outfall.



Figure 2. 1253-1 Unnamed Creek looking upstream south of road.



Figure 3. 1253-1 Unnamed Creek looking upstream north of road.



Figure 4. 1253-1 Unnamed Creek looking downstream south side of road.



Figure 5. 1253-1 Unnamed Creek looking downstream north of road.



Figure 6. 1253-1 Looking downstream at Unnamed Creek from road.



Figure 7. 1253-1 Looking downstream from outfall.

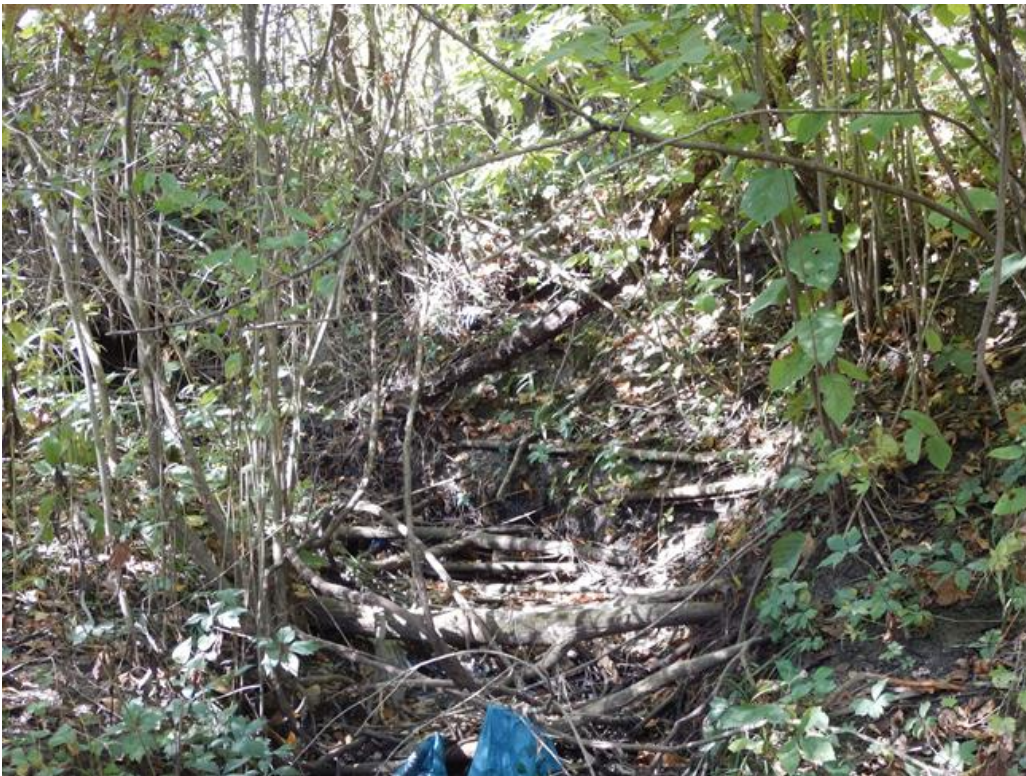


Figure 8. 1253-1 Looking at drainage ditch from outfall from Unnamed Creek.